

ABSTRACT OF THE DISCLOSURE

The present invention provides a method of producing an optical fiber having a decreased transmission loss and air holes extending in the axial 5 direction of the fiber. The method of the present invention includes a first step of preparing an optical fiber preform having through holes for forming the air holes, a second step of drawing the optical fiber preform in a drawing furnace to form an optical fiber having the air holes, and a third step of heating the optical fiber at a temperature in the range of 900°C to 1300°C in an additional 10 heating furnace provided downstream of the drawing furnace.